We claim:

1.   An image capturing device, comprising:

an electronic image sensor;

a processor communicating with said electronic image sensor; and

a memory communicating with said processor and including a full-size image storage area storing a full-size digital image and a transfer image storage area storing a corresponding transfer image;

wherein during an image capture said image capturing device captures and stores a full-size image in said full-size image storage area and also stores in said transfer image storage area a transfer image that is a smaller version of said full-size image.

2. The device of claim 1, said memory further comprising a user-settable transfer image enable variable that controls whether a transfer image is created and saved.

3. The device of claim 1, said memory further comprising a transmission bandwidth table including one or more transmission bandwidth entries and corresponding transfer image sizes, wherein a transmission bandwidth input selects a corresponding transfer image size from said transmission bandwidth table.

4. The device of claim 1, said memory further comprising a transmission mode table including one or more transmission mode entries and corresponding transfer image sizes, wherein a transmission mode input selects a corresponding transfer image size from said transmission mode table.

5. The device of claim 1, wherein said transfer image storage area further comprises a transfer image filename storage.

6. The device of claim 1, said memory further comprising:

a decompression routine; and

a sampling routine;

wherein said image capturing device decompresses said full-size image and samples said full-size image in order to create said transfer image.

7. An image capturing method, comprising the steps of:

capturing a digital image;

storing said digital image as a full-size image;

determining a transfer image size according to a predetermined user input;

generating a transfer image from said full-size image according to said

determined transfer image size; and

storing said transfer image.

8. The method of claim 7, wherein the generating step further comprises the

steps of:

decompressing said full-size image; and

sampling said full-size image down to said transfer image.

9. The method of claim 7, further comprising the step of generating a

derivative filename for said transfer image.

10. The method of claim 7, further comprising the step of accepting a user

input that enables or disables the steps of generating and storing said transfer

image.

11. The method of claim 10, with the accepting step further comprising the steps of:

presenting a predetermined set of transmission durations and speeds to a user;

accepting a user input of a particular transmission duration and speed from said predetermined set of transmission times and speeds, with said particular transmission time and speed choosing a predetermined corresponding transfer image size.

12. The method of claim 10, with the accepting step further comprising the steps of:

accepting a user input of a particular transmission bandwidth from a transmission bandwidth table; and

looking up a corresponding transfer image size from said transmission bandwidth table.

13. The method of claim 10, with the accepting step further comprising the steps of:

accepting a user input of a particular transmission mode from a transmission mode table; and

looking up a corresponding transfer image size from said transmission mode table.

14. The method of claim 10, with the accepting step further comprising the steps of:

accepting a user input of a transmission speed;

accepting a user input of a transmission duration; and

calculating a transfer image size from said transmission speed, said transmission duration, a bits per character multiplication constant, a compression factor, and a size of said full-size image.

15. An image capturing method, comprising the steps of:

capturing a digital image;

storing said digital image as a full-size image;

recalling a transfer image size ;

automatically reducing said full-size image according to said transfer image

size to create a transfer image; and

storing said transfer image.

16. The method of claim 15, wherein the reducing step further comprises the

steps of:

decompressing said full-size image; and

sampling said full-size image down to said transfer image.

17. The method of claim 15, further comprising the step of generating a

derivative filename for said transfer image.

18. The method of claim 15, further comprising the step of accepting a user

input that enables or disables the steps of reducing and storing said transfer image.

19. The method of claim 18, with the recalling step further comprising the steps of:

presenting a predetermined set of transmission times and speeds to a user;

accepting a user input of a particular transmission time and speed from said predetermined set of transmission times and speeds, with said particular transmission time and speed choosing a corresponding transfer image size.

20. The method of claim 18, with the recalling step further comprising the steps of:

accepting a user input of a particular transmission bandwidth from a transmission bandwidth table; and

looking up a corresponding transfer image size from said transmission bandwidth table.

21. The method of claim 18, with the recalling step further comprising the steps of:

accepting a user input of a particular transmission mode from a transmission mode table; and

looking up a corresponding transfer image size from said transmission mode table.

22. The method of claim 18, with the recalling step further comprising the steps of:

accepting a user input of a transmission speed;

accepting a user input of a transmission duration;

calculating a transfer image size from said transmission speed, said transmission duration, a bits per character multiplication constant, a compression factor, and a size of said full-size image.